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(71) Applicant (for all designated States except US): **TELIA AB (publ)** [SE/SE]; Mårbackagatan 11, S-123 86 Farsta (SE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LJUNG, Rickard** [SE/SE]; Hantverkaregatan 20, S-211 55 Malmö (SE). **KARLSSON, Peter** [SE/SE]; Blåbärsstigen 7, S-201 00 Lund (SE).

(74) Agent: **SVENSSON, Peder**; TeliaSonera Sverige AB, Patent, Vitsandsgatan 9, S-123 86 Farsta (SE).

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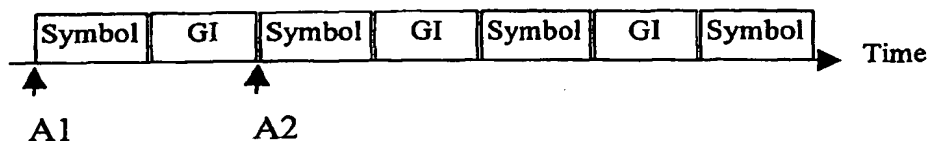
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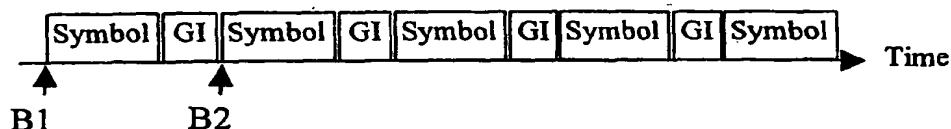
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(54) Title: POSITION ADJUSTED GUARD TIME INTERVAL FOR OFDM-COMMUNICATIONS SYSTEM

Place/location 1



Place/location 2



(57) Abstract: A device and a method within a communications system where at least some part of the transmission is executed by means of radio waves, and where symbols are transmitted by means of Orthogonal Frequency Divisional Multiplexing, so called OFDM-technology, between a transmitting unit and a receiving unit, at which the symbol transmission is executed over a transmission channel in blocks of binary digits with a guard interval GI between said blocks, where transmitting unit is equipped with means to control the length of the guard interval (GI) with regard to the physical conditions for/of the transmission channel, so that the guard interval can be reduced without the disturbance susceptibility being increased, but instead increasing the capacity/throughput of the transmission channel by the time that is set free/made available being used to transmit information. One embodiment of the invention includes a guard interval adjustment unit connected to other OFDM-equipment in transmitting and/or receiving unit.

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